TOWN OF DAVIE
TOWN COUNCIL AGENDA REPORT

TO:　　　　　　Mayor and Councilmembers

FROM/PHONE:　　Richard Boyhan, Info Sys Supv, 954-797-1008

PREPARED BY:　　Richard Boyhan

SUBJECT:　　　　SPAM E-Mail

AFFECTED DISTRICT:　　Townwide

ITEM REQUEST:　　　　**Schedule for Council Meeting**

TITLE OF AGENDA ITEM:　SPAM E-Mail

REPORT IN BRIEF:　　What is the Town of Davie doing about SPAM e-mail. How to get e-mail messages through the Town's SPAM firewall.

PREVIOUS ACTIONS:

CONCURRENCES:

FISCAL IMPACT:　not applicable

　　Has request been budgeted?　n/a

　　　　If yes, expected cost:　$

　　　　　　Account Name:

　　　　If no, amount needed:　$

　　　　　　What account will funds be appropriated from:

　　　　Additional Comments:

RECOMMENDATION(S):

Attachment(s):

On average the town receives about 6420 e-mail messages per day.

On average about 415 messages are allowed through to individual mail accounts.

Our spam server blocks the remaining 6005 messages.

This means we block 94% of messages that come to the Town of Davie.

What causes a message to get blocked?
1. The message shows up as web blacklisted message.
2. The message is blocked by our blacklist.
3. The message has a virus.
4. The message has an attachment that is not allowed.
5. The message has a bad recipient address.
6. The message can be blocked by a Bayesian filter
Bayesian filter using a number of things to come up with a number.
When the number reaches a certain level the message is blocked.
Bayesian filter, use what is in the header, the subject, the e-mail address from and to, the domain, the IP addresses used, the text in the body of message, the size of the message, HTML code, attachments, size of the attachments.

How can we allow someone whose e-mail is blocked to get through our spam server?
We can white list their e-mail address or we can white list their domain.

What is a domain?
Domain is the right part of someone's e-mail address.
Some examples of domains are "davie-fl.gov", 'aol.com" or "fdle.state.fl.us".

Conservative estimates are that 75-80% of worlds e-mail is SPAM.

Email Statistics [inbound]   Clear Statistics [?]

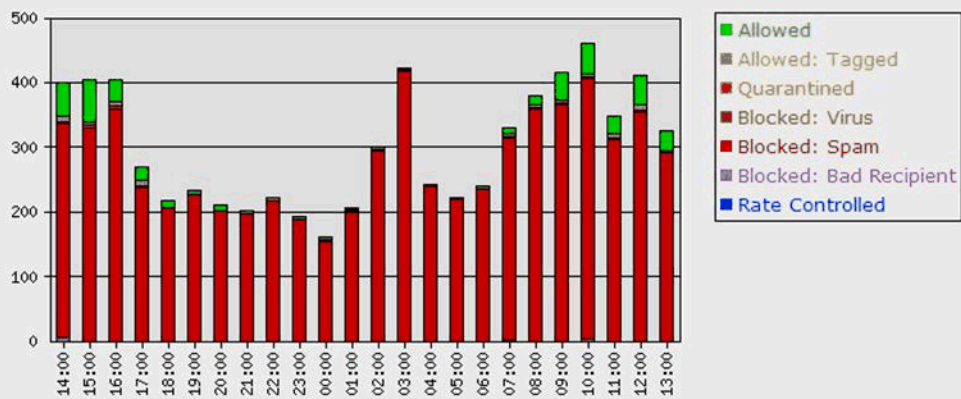|	Total	Day	Hour
Blocked	2,518,992	4,165	292
Blocked: Virus	23,685	1	0
Rate Controlled	15,102	0	0
Quarantined	26,629	17	0
Allowed: Tagged	48,741	40	1
Allowed	382,650	241	33
Total Received	3,015,799	4,464	326

Subscription Status   Refresh [?]

Energize Updates: Current (Expires: 2009-03-24)
Instant Replacement: Current (Expires: 2009-03-24)

Performance Statistics [?]

In/Out Queue Size: 1/0
Average Latency: 3 seconds
Last Message: <1 minute ago
Unique Recipients: 526
System Load: 1%
CPU Fan Speed: 6550 RPM
System Fan Speed: 3759 RPM
CPU Temperature: 23°C
Firmware Storage: 37%
Mail/Log Storage: 75%

Hourly Mail Statistics [?]

Legend:
- Allowed
- Allowed: Tagged
- Quarantined
- Blocked: Virus
- Blocked: Spam
- Blocked: Bad Recipient
- Rate Controlled

X-axis: 14:00, 15:00, 16:00, 17:00, 18:00, 19:00, 20:00, 21:00, 22:00, 23:00, 00:00, 01:00, 02:00, 03:00, 04:00, 05:00, 06:00, 07:00, 08:00, 09:00, 10:00, 11:00, 12:00, 13:00

Daily Mail Statistics [?]

Legend:
- Allowed
- Allowed: Tagged
- Quarantined
- Blocked: Virus
- Blocked: Spam
- Blocked: Bad Recipient
- Rate Controlled

X-axis: 2008-05-02, 2008-05-03, 2008-05-04, 2008-05-05, 2008-05-06, 2008-05-07, 2008-05-08, 2008-05-09, 2008-05-10, 2008-05-11, 2008-05-12, 2008-05-13, 2008-05-14, 2008-05-15, 2008-05-16, 2008-05-17, 2008-05-18, 2008-05-19, 2008-05-20, 2008-05-21, 2008-05-22, 2008-05-23, 2008-05-24, 2008-05-25, 2008-05-26, 2008-05-27, 2008-05-28, 2008-05-29

Internet   100%